

Lahontan Basin Regional Water Management Planning Grant Proposal

Attachment 4: Budget

Attachment 4 includes the following items:

- **Budget Summary** – This table summarizes the total cost estimates for the grant funds requested, fund matching and percent of fund matching to perform the work detailed in the Work Plan provided in Attachment 3 within the timeline identified in Attachment 5. Overall, the budget provided utilizes a mix of skilled technical consultants and local agency staff that yields an efficient and effective cost match of 26 percent through in kind services. The total project budget is \$575,214.00 with a grant request of \$427,614.00

- **Cost Estimate for Grant Funds Requested** – These costs entail the need to utilize consultant expertise and resources outside of agency staff in order to complete the necessary tasks. These cost estimates have been provided by Dyer Engineering, a water resource engineering consulting firm familiar with the water resource issues in the Lahontan Basins region and IRWM planning. The labor hours provided are commensurate with the work outline in Attachment 3. The five consultant labor categories can be described as follows:
 - Program Director: The Watershed Coordinator for the Honey Lake Valley RCD will act as the Program Director with responsibility for overall direction of the task and strategic coordination and collaboration with the LBRWVG and other stakeholder groups.
 - Project Manager 1 (PM 1): A staff member of the Honey Lake Valley RCD responsible for the day-to-day execution of the work associated with each task.
 - Senior Project Manager (Sr PM): A senior staff member of the consultant firm with specialized knowledge or expertise in a given area needed to ensure the quality completion of a particular task.
 - Project Engineer 3 (PE 3): A junior-to-mid level staff member of the consultant firm responsible for the compilation, review, and analysis of significant quantities of data and information under the direction of PM1.
 - Graphics/Admin: Support staff utilized to prepare reports and graphics for delivery to the LBRWVG and stakeholder groups. Also, administrative staff are utilized in the preparation of invoices and progress reports.

Other costs include the following:

- Other Direct Costs (ODCs): These are direct project costs associated with travel costs (e.g. mileage to and from stakeholder meetings) and the costs of large reproduction jobs (e.g. printing hard copies of the final IRWM Plan). Mileage

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between most consultant offices to the Lahontan Basins Region are approximately 70-80 miles each way and are charged at the current IRS rate (currently \$0.50/mile). Reproduction costs are assumed to be between \$0.50 and \$1.00 per page for full color printing.

- Administrative Costs (AC): This charge is utilized to cover the non-direct costs associated with project work including computers, phones, internet, and other technology costs. The estimated cost of the AC is 10% of labor charges.

- Cost Estimate for Funding Match and Total Grant Request – This cost estimate yields the overall project cost. It includes estimates of in-kind services to be provided by the staff from Lassen County Planning and Building Department (LCPBD), City of Susanville Public Works Department (CSPWD), Lassen Irrigation Company (LIC), and the Susanville Indian Rancheria (SIR) Natural Resources Department (NRD). Per discussion with staff from each agency, estimates of the fully loaded rates (e.g. salary + benefits) are provided and are approximately \$75 per hour for each agency. The bulk of in-kind services are expected to be provided in the ongoing outreach (Task 1) and Technical Evaluations (Task 2) and include only agency labor which will be documented through time cards and included in progress reports to DWR.

Lahontan Basins Integrated Regional Water Management
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Budget Summary

Budget Category	Requested Grant Funding (DWR Grant Amount)	Non-State Share (Funding Match)	Total	% Funding Match
Task 1: Outreach	\$ 62,084.00	\$ 86,400.00	\$ 148,484.00	58%
Task 1.1 Advisory Team Meetings	\$ 24,464.00	\$ 28,800.00	\$ 53,264.00	54%
Task 1.2 LBIRWM Plan Stakeholder Group Meetings	\$ 19,096.00	\$ 28,800.00	\$ 47,896.00	60%
Task 1.3 Outreach to DACs	\$ 18,524.00	\$ 28,800.00	\$ 47,324.00	61%
Task 2: IRWM Plan	\$ 186,802.00	\$ -	\$ 186,802.00	0%
Task 2.1 Regional Description	\$ 12,518.00	\$ -	\$ 12,518.00	0%
Task 2.2 Goals and Objectives	\$ 12,518.00	\$ -	\$ 12,518.00	0%
Task 2.3 Determine Regional Priorities	\$ 12,518.00	\$ -	\$ 12,518.00	0%
Task 2.4 Data and Technical Analysis	\$ 21,318.00	\$ -	\$ 21,318.00	0%
Task 2.5 Integrated Resource Management Strategies	\$ 12,518.00	\$ -	\$ 12,518.00	0%
Task 2.6 Impacts and Benefits	\$ 16,038.00	\$ -	\$ 16,038.00	0%
Task 2.7 Evaluate and Report Plan Performance	\$ 12,518.00	\$ -	\$ 12,518.00	0%
Task 2.8 Climate Change Analysis	\$ 29,392.00	\$ -	\$ 29,392.00	0%
Task 2.9 Define Implementation Framework	\$ 16,038.00	\$ -	\$ 16,038.00	0%
Task 2.10 Prepare Lahontan Basins IRWMP	\$ 41,426.00	\$ -	\$ 41,426.00	0%
Task 3: Technical Evaluations	\$ 167,772.00	\$ 50,400.00	\$ 218,172.00	23%
Task 3.1 DAC Water Supply, Quality, and Flooding Evaluation	\$ 18,480.00	\$ 21,600.00	\$ 40,080.00	54%
Task 3.2 Salt and Nutrient Management Planning	\$ 87,890.00	\$ -	\$ 87,890.00	0%
Task 3.3 Integrated Flood Management	\$ 61,402.00	\$ 28,800.00	\$ 90,202.00	32%
Task 4: Program Management/Administration	\$ 10,956.00	\$ 10,800.00	\$ 21,756.00	50%
4.1 Progress Monitoring, Reporting, Invoicing, & Final Report	\$ 10,956.00	\$ 10,800.00	\$ 21,756.00	50%
GRAND TOTAL	\$ 427,614.00	\$ 147,600.00	\$ 575,214.00	26%

Lahontan Basins Integrated Regional Water Management
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Attachment 4: Budget

Cost Estimate for Grant Funds Request

Tasks		Staff Labor			Consultant Labor		Labor Cost Totals		ODC	AC	Total
		# of Meetings	Project Director \$60	Project Manager \$50	Graphics/ Admin \$40	Project Engineer \$100	Project Manager \$75	Total Hours	Total Labor Costs	Total ODCs	Admin Costs
Task 1: Outreach											
Task 1.1 Advisory Team Meetings	24	96	192	72	0	0	360	\$ 18,240.00	\$ 4,000.00	\$ 2,224.00	\$ 24,464.00
Task 1.2 LBIRWM Plan Stakeholder Group Meetings	24	96	192	80	0	0	368	\$ 15,360.00	\$ 2,000.00	\$ 1,736.00	\$ 19,096.00
Task 1.3 Outreach to DACs	12	96	144	72	0	0	312	\$ 15,840.00	\$ 1,000.00	\$ 1,684.00	\$ 18,524.00
Subtotal Task 1:		288	528	224	0	0	1040	\$ 49,440.00	\$ 7,000.00	\$ 5,644.00	\$ 62,084.00
Task 2: IRWM Plan											
Task 2.1 Regional Description		16	120	48	16	12	212	\$ 11,380.00	\$ -	\$ 1,138.00	\$ 12,518.00
Task 2.2 Goals and Objectives		16	120	48	16	12	212	\$ 11,380.00	\$ -	\$ 1,138.00	\$ 12,518.00
Task 2.3 Determine Regional Priorities		16	120	48	16	12	212	\$ 11,380.00	\$ -	\$ 1,138.00	\$ 12,518.00
Task 2.4 Data and Technical Analysis		16	120	48	96	12	292	\$ 19,380.00	\$ -	\$ 1,938.00	\$ 21,318.00
Task 2.5 Integrated Resource Management Strategies		16	120	48	16	12	212	\$ 11,380.00	\$ -	\$ 1,138.00	\$ 12,518.00
Task 2.6 Impacts and Benefits		16	120	48	48	12	244	\$ 14,580.00	\$ -	\$ 1,458.00	\$ 16,038.00
Task 2.7 Evaluate and Report Plan Performance		16	120	48	16	12	212	\$ 11,380.00	\$ -	\$ 1,138.00	\$ 12,518.00
Task 2.8 Climate Change Analysis		24	148	72	96	72	412	\$ 26,720.00	\$ -	\$ 2,672.00	\$ 29,392.00
Task 2.9 Define Implementation Framework		16	120	48	48	12	244	\$ 14,580.00	\$ -	\$ 1,458.00	\$ 16,038.00
Task 2.10 Prepare Lahontan Basins IRWMP		48	192	192	96	72	600	\$ 35,160.00	\$ 2,500.00	\$ 3,766.00	\$ 41,426.00
Subtotal Task 2:		200	1300	648	464	240	2852	\$ 167,320.00	\$ 2,500.00	\$ 16,982.00	\$ 186,802.00
Task 3: Technical Evaluations											
Task 3.1 DAC Water Supply, Quality, and Flooding Evaluation		24	48	24	120	0	216	\$ 16,800.00	\$ -	\$ 1,680.00	\$ 18,480.00
Subtask 3.1.1 Coordination Meetings		8	16	8	40	0	72	\$ 5,600.00	\$ -	\$ 560.00	\$ 6,160.00
Subtask 3.1.2: Compile and Review Water Data for DACs		8	16	8	40	0	72	\$ 5,600.00	\$ -	\$ 560.00	\$ 6,160.00
Subtask 3.1.3: Develop Water Monitoring Plan for DACs		8	16	8	40	0	72	\$ 5,600.00	\$ -	\$ 560.00	\$ 6,160.00
Task 3.2 Salt and Nutrient Management Planning		48	96	48	616	116	924	\$ 79,900.00	\$ -	\$ 7,990.00	\$ 87,890.00
Subtask 3.2.1: Stakeholder Participation		16	16	16	32	0	80	\$ 5,600.00	\$ -	\$ 560.00	\$ 6,160.00
Subtask 3.2.2 Understand Current and Future Basin Use		16	8	16	32	0	72	\$ 5,200.00	\$ -	\$ 520.00	\$ 5,720.00
Subtask 3.2.3 Create Groundwater Database for Sub-basins		0	8	0	60	16	84	\$ 7,600.00	\$ -	\$ 760.00	\$ 8,360.00
Subtask 3.2.4 Data Analysis		0	8	0	60	16	84	\$ 7,600.00	\$ -	\$ 760.00	\$ 8,360.00
Subtask 3.2.5 Salt and Nutrient Characterization		0	8	0	40	16	64	\$ 5,600.00	\$ -	\$ 560.00	\$ 6,160.00
Subtask 3.2.6 Develop a Monitoring Plan		0	8	0	60	12	80	\$ 7,300.00	\$ -	\$ 730.00	\$ 8,030.00
Subtask 3.2.7 Monitoring Implementation		0	8	0	120	16	144	\$ 13,600.00	\$ -	\$ 1,360.00	\$ 14,960.00
Subtask 3.2.8 Manage Salt/Nutrients on a Sustainable Basis		0	8	0	40	12	60	\$ 5,300.00	\$ -	\$ 530.00	\$ 5,830.00
Subtask 3.2.9 Anti-degradation Analysis		0	8	0	40	12	60	\$ 5,300.00	\$ -	\$ 530.00	\$ 5,830.00
Subtask 3.2.10 Salt/Nutrient Management Plan Appendix		16	16	16	132	16	196	\$ 16,800.00	\$ -	\$ 1,680.00	\$ 18,480.00
Task 3.3 Integrated Flood Management		40	96	48	440	36	660	\$ 55,820.00	\$ -	\$ 5,582.00	\$ 61,402.00
Subtask 3.3.1 Catalog Existing Flood Management Plans		8	16	24	40			\$ 6,240.00	\$ -	\$ 624.00	\$ 6,864.00
Subtask 3.3.2 Document Flood Protection Needs		8	16		60			\$ 7,280.00	\$ -	\$ 728.00	\$ 8,008.00
Subtask 3.3.3 Develop Methodology to Prioritize Projects			8		80			\$ 8,400.00	\$ -	\$ 840.00	\$ 9,240.00
Subtask 3.3.4 Develop Vision for Multi-Benefit Projects			8		120	4		\$ 12,700.00	\$ -	\$ 1,270.00	\$ 13,970.00
Subtask 3.3.5 Facilitate Regional Participation in NFIP CRS		8	24		40	16		\$ 6,880.00	\$ -	\$ 688.00	\$ 7,568.00
Subtask 3.3.6 Facilitate Coordination		8	8		40	16		\$ 6,080.00	\$ -	\$ 608.00	\$ 6,688.00
Subtask 3.3.7 Compile Integrated Flood Management Plan		8	16	24	60			\$ 8,240.00	\$ -	\$ 824.00	\$ 9,064.00
		112	240	120	1176	152	1800	\$ 152,520.00	\$ -	\$ 15,252.00	\$ 167,772.00
Task 4: Program Management/Administration											
4.1 Progress Monitoring, Reporting, Invoicing, & Final Report		24	48	48	24	24	168	\$ 9,960.00	\$ -	\$ 996.00	\$ 10,956.00
		24	48	48	24	24	168	\$ 9,960.00	\$ -	\$ 996.00	\$ 10,956.00
GRAND TOTAL		624	2116	1040	1664	416	5860	\$ 379,240.00	\$ 9,500.00	\$ 38,874.00	\$ 427,614.00

**Lahontan Basins Integrated Regional Water Management
Planning Grant Proposal
Attachment 4: Budget**

Cost Estimate for Funding Match and Total Grant Request

Tasks		LBRWVG Agency Staff Hours						Total	Total	Total
		# of Meetings	Lassen County	City of Susanville	SIR	LIC	Total Hours	Total Labor Costs	Total Funding Match	Total Grant Request
			\$75	\$75	\$75	\$75				
Task 1: Outreach										
Task 1.1 Advisory Team Meetings	24	96	96	96	96	384	\$ 28,800.00	\$ 28,800.00	\$ 24,464.00	\$ 53,264.00
Task 1.2 LBIRWM Plan Stakeholder Group Meetings	24	96	96	96	96	384	\$ 28,800.00	\$ 28,800.00	\$ 19,096.00	\$ 47,896.00
Task 1.3 Outreach to DACs	12	96	96	96	0	288	\$ 28,800.00	\$ 28,800.00	\$ 18,524.00	\$ 47,324.00
Subtotal Task 1:		288	288	288	192	1056	\$ 86,400.00	\$ 86,400.00	\$ 62,084.00	\$ 148,484.00
Task 2: IRWM Plan										
Task 2.1 Regional Description							\$ -	\$ -	\$ 12,518.00	\$ 12,518.00
Task 2.2 Goals and Objectives							\$ -	\$ -	\$ 12,518.00	\$ 12,518.00
Task 2.3 Determine Regional Priorities							\$ -	\$ -	\$ 12,518.00	\$ 12,518.00
Task 2.4 Data and Technical Analysis							\$ -	\$ -	\$ 21,318.00	\$ 21,318.00
Task 2.5 Integrated Resource Management Strategies							\$ -	\$ -	\$ 12,518.00	\$ 12,518.00
Task 2.6 Impacts and Benefits							\$ -	\$ -	\$ 16,038.00	\$ 16,038.00
Task 2.7 Evaluate and Report Plan Performance							\$ -	\$ -	\$ 12,518.00	\$ 12,518.00
Task 2.8 Climate Change Analysis							\$ -	\$ -	\$ 29,392.00	\$ 29,392.00
Task 2.9 Define Implementation Framework							\$ -	\$ -	\$ 16,038.00	\$ 16,038.00
Task 2.10 Prepare Lahontan Basins IRWMP							\$ -	\$ -	\$ 41,426.00	\$ 41,426.00
Subtotal Task 2:		0	0	0	0	0	\$ -	\$ -	\$ 186,802.00	\$ 186,802.00
Task 3: Technical Evaluations										
Task 3.1 DAC Water Supply, Quality, and Flooding Evaluation		96	96	96	0	288	\$ 21,600.00	\$ 21,600.00	\$ 18,480.00	\$ 40,080.00
Subtask 3.1.1 Coordination Meetings		32	32	32		96	\$ 7,200.00	\$ 7,200.00	\$ 6,160.00	\$ 13,360.00
Subtask 3.1.2: Compile and Review Water Data for DACs		32	32	32		96	\$ 7,200.00	\$ 7,200.00	\$ 6,160.00	\$ 13,360.00
Subtask 3.1.3: Develop Water Monitoring Plan for DACs		32	32	32		96	\$ 7,200.00	\$ 7,200.00	\$ 6,160.00	\$ 13,360.00
Task 3.2 Salt and Nutrient Management Planning							\$ -	\$ -	\$ 87,890.00	\$ 87,890.00
Subtask 3.2.1: Stakeholder Participation							\$ -	\$ -	\$ 6,160.00	\$ 6,160.00
Subtask 3.2.2 Understand Current and Future Basin Use							\$ -	\$ -	\$ 5,720.00	\$ 5,720.00
Subtask 3.2.3 Create Groundwater Database for Sub-basins							\$ -	\$ -	\$ 8,360.00	\$ 8,360.00
Subtask 3.2.4 Data Analysis							\$ -	\$ -	\$ 8,360.00	\$ 8,360.00
Subtask 3.2.5 Salt and Nutrient Characterization							\$ -	\$ -	\$ 6,160.00	\$ 6,160.00
Subtask 3.2.6 Develop a Monitoring Plan							\$ -	\$ -	\$ 8,030.00	\$ 8,030.00
Subtask 3.2.7 Monitoring Implementation							\$ -	\$ -	\$ 14,960.00	\$ 14,960.00
Subtask 3.2.8 Manage Salt/Nutrients on a Sustainable Basis							\$ -	\$ -	\$ 5,830.00	\$ 5,830.00
Subtask 3.2.9 Anti-degradation Analysis							\$ -	\$ -	\$ 5,830.00	\$ 5,830.00
Subtask 3.2.10 Salt/Nutrient Management Plan Appendix							\$ -	\$ -	\$ 18,480.00	\$ 18,480.00
Task 3.3 Integrated Flood Management		96	96	96	96	384	\$ 28,800.00	\$ 28,800.00	\$ 61,402.00	\$ 90,202.00
Subtask 3.3.1 Catalog Existing Flood Management Plans		24	24	24	24	96	\$ 7,200.00	\$ 7,200.00	\$ 6,864.00	\$ 14,064.00
Subtask 3.3.2 Document Flood Protection Needs		24	24	24	24	96	\$ 7,200.00	\$ 7,200.00	\$ 8,008.00	\$ 15,208.00
Subtask 3.3.3 Develop Methodology to Prioritize Projects		8	8	8	8	32	\$ 2,400.00	\$ 2,400.00	\$ 9,240.00	\$ 11,640.00
Subtask 3.3.4 Develop Vision for Multi-Benefit Projects		4	4	4	4	16	\$ 1,200.00	\$ 1,200.00	\$ 13,970.00	\$ 15,170.00
Subtask 3.3.5 Facilitate Regional Participation in NFIP CRS		4	4	4	4	16	\$ 1,200.00	\$ 1,200.00	\$ 7,568.00	\$ 8,768.00
Subtask 3.3.6 Facilitate Coordination		8	8	8	8	32	\$ 2,400.00	\$ 2,400.00	\$ 6,688.00	\$ 9,088.00
Subtask 3.3.7 Compile Integrated Flood Management Plan		24	24	24	24	96	\$ 7,200.00	\$ 7,200.00	\$ 9,064.00	\$ 16,264.00
Subtotal Task 3:		192	192	192	96	672	\$ 50,400.00	\$ 50,400.00	\$ 167,772.00	\$ 218,172.00
Task 4: Program Management/Administration										
4.1 Progress Monitoring, Reporting, Invoicing, & Final Report		36	36	36	36	144	\$ 10,800.00	\$ 10,800.00	\$ 10,956.00	\$ 21,756.00
Subtotal Task 4		36	36	36	36	144	\$ 10,800.00	\$ 10,800.00	\$ 10,956.00	\$ 21,756.00
GRAND TOTAL		516	516	516	324	1872	\$ 147,600.00	\$ 147,600.00	\$ 427,614.00	\$ 575,214.00